## **EAST Search History**

## EAST Search History (Prior Art)

Ref#	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	0	decompos\$4 motion with peigen spectr\$4	US-PGPUB; USPAT	AND	OFF	2010/02/27 15:55
L3	12	decompos\$4 motion with eigen\$5 spectr\$4	US-PGPUB; USPAT	AND	OFF	2010/02/27 15:55
L4	3	decompos\$4 tissue\$1 motion with eigen\$5 spectr\$4	US-PGPUB; USPAT	AND	OFF	2010/02/27 15:56
L5	2	decompos\$4 blood flow \$1 motion with eigen \$5 spectr\$4	US-PGPUB; USPAT	AND	OFF	2010/02/27 15:59
L6	0	decompos\$4 blood flow \$1 motion and eigen\$5 spectr\$4	US-PGPUB; USPAT	WITH	OFF	2010/02/27 16:00
L7	0	decompos\$4 blood flow \$1 motion and eigen\$5	US-PGPUB; USPAT	WITH	OFF	2010/02/27 16:00
L8	0	decompos\$4 blood flow \$1 motion with phase \$1 decompos\$4	US-PGPUB; USPAT	WITH	OFF	2010/02/27 16:00
L9	157	decompos\$4 blood flow \$1 motion with phase \$1 decompos\$4	US-PGPUB; USPAT	AND	OFF	2010/02/27 16:00
L10	1506	bleeding detect\$4 with ultraso\$4	US-PGPUB; USPAT	AND	OFF	2010/02/27 16:32
L11	50	bleeding detect\$4 with ultraso\$4	US-PGPUB; USPAT	WITH	OFF	2010/02/27 16:32
L12	1072	internal bleeding detect \$4 with ultraso\$4	US-PGPUB; USPAT	AND	OFF	2010/02/27 16:39
L13	277	internal bleeding detect \$4 with ultraso\$4 vibrat \$4	US-PGPUB; USPAT	AND	OFF	2010/02/27 16:39
L14	392	bleeding detect\$4 with ultraso\$4 vibrat\$4	US-PGPUB; USPAT	AND	OFF	2010/02/27 16:43
L15	1	hemor\$4 detect\$4 with ultraso\$4 vibrat\$4	US-PGPUB; USPAT	AND	OFF	2010/02/27 16:49
L16	0	hemmhorage\$1 with ultraso\$4 vibrat\$4	US-PGPUB; USPAT	AND	OFF	2010/02/27 16:50
L17	0	hemhorage\$1 with ultraso\$4 vibrat\$4	US-PGPUB; USPAT	AND	OFF	2010/02/27 16:50
L18	2398426	m	US-PGPUB; USPAT	AND	OFF	2010/02/27 16:50

L19	102	detect\$4 hemorrhage \$1 with ultraso\$4	US-PGPUB; USPAT	AND	OFF	2010/02/27 16:52
L20	17	"5951476"	US-PGPUB; USPAT	and	OFF	2010/02/27 17:03
S1	11	"6706892"	US-PGPUB; USPAT	OR	OFF	2009/08/07 17:10
S2	36	detect\$4 internal bleed \$4 with ultraso\$4 transducer\$1 and tissue vibration process \$4	US-PGPUB; USPAT	AND	OFF	2009/08/07 17:14
S3	98	tissue vibration process \$4 and identif\$4 internal bleeding and transducer\$1 with control\$4	US-PGPUB; USPAT	AND	OFF	2009/08/07 17:23
S4	0	tissue vibration process \$4 and identif\$4 internal bleeding and transducer\$1 with control\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/08/07 17:23
S5	0	tissue vibration process \$4 and identif\$4 internal bleeding and transducer\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/08/07 17:24
S6	0	tissue vibration process \$4 and identif\$4 internal bleed\$4 and transducer\$1	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/08/07 17:24
S7	2	tissue vibration process \$4 and internal bleed \$4 and transducer\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/08/07 17:24
S8	3	((SIDDHARTHA) near2 (SIKDAR)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/07 17:32
39	65	((YONGMIN) near2 (KIM)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/07 17:32
S10	24	((KIRK) near2 (BEACH)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/07 17:32

S11	17	"5951476"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/08/07 17:36
S12	183	detect\$4 internal bleed \$4 with tissue vibration process\$4	US-PGPUB; USPAT	AND	OFF	2009/08/07 17:38
S13	100	detect\$4 internal bleed \$4 with tissue vibration process\$4 and transducer\$1	US-PGPUB; USPAT	AND	OFF	2009/08/07 17:38
S14	2	tissue vibration process \$4 and internal bleeding	US-PGPUB; USPAT	ADJ	OFF	2009/08/07 17:43
S15	2	tissue vibration process \$4 and bleeding	US-PGPUB; USPAT	ADJ	OFF	2009/08/07 17:44
S16	4	tissue vibration process \$4	US-PGPUB; USPAT	ADJ	OFF	2009/08/07 17:44
S17	2	vibration process\$4 and internal bleeding	US-PGPUB; USPAT	ADJ	OFF	2009/08/07 17:45
S18	4	vibration process\$4 and bleeding	US-PGPUB; USPAT	ADJ	OFF	2009/08/07 17:45
S19	33449	detect\$4 internal bleed \$4	US-PGPUB; USPAT	AND	OFF	2009/08/07 17:49
S20	25	detect\$4 internal bleed \$4	US-PGPUB; USPAT	ADJ	OFF	2009/08/07 17:49
S21	2	tissue vibration processor	US-PGPUB; USPAT	ADJ	OFF	2009/08/07 17:51
S22	73	vibration processor	US-PGPUB; USPAT	ADJ	OFF	2009/08/07 17:51
S23	5	"6036650"	US-PGPUB; USPAT	ADJ	OFF	2009/08/07 17:53
S24	14	"5840028"	US-PGPUB; USPAT	OR	OFF	2009/08/13 16:24
<b>S2</b> 5	5	tissue vibrat\$4 process \$4 and transducer\$1	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/08/13 16:35
S26	26	600/437-461.ccls. and tissue vibrat\$4 process \$4 and transducer\$1	US-PGPUB; USPAT; USOOR	WITH	OFF	2009/08/13 17:53
S27	0	604/19-20.ccls. and tissue vibrat\$4 process \$4 and transducer\$1	US-PGPUB; USPAT; USOCR	WITH	OFF	2009/08/13 17:53
S28	0	73/603.ccls. and tissue vibrat\$4 process\$4 and transducer\$1	US-PGPUB; USPAT; USOCR	WITH	OFF	2009/08/13 17:53

S29	10	73/603.ccls. and tissue vibrat\$4 process\$4 and transducer\$1	US-PGPUB; USPAT; USOCR	AND	OFF	2009/08/13 17:54
S30	6	"6406759"	US-PGPUB; USPAT	OR	OFF	2009/08/13 19:22
S31	51	"6200539"	US-PGPUB; USPAT	OR	OFF	2009/08/13 19:23
S32	14	"5840028"	US-PGPUB; USPAT	OR	OFF	2009/08/13 19:24
S33	147	detect\$4 internal bleed \$4 with ultraso\$4 control\$4 transducer\$1	US-PGPUB; USPAT; USOCR	AND	OFF	2010/02/02 14:47
S34	66	detect\$4 internal bleed \$4 with ultraso\$4 control\$4 transducer\$1 and vibrat\$4 proces\$4 and display\$4 tissue\$1 vibrat\$4	US-PGPUB; USPAT; USOCR	AND	OFF	2010/02/02 14:50
<b>S3</b> 5	0	detect\$4 internal bleed \$4 and ultraso\$4 control\$4 transducer\$1 and vibrat\$4 proces\$4 and internal blled\$4 signal\$1	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/02/02 14:53
<b>S3</b> 6	1	detect\$4 internal bleed \$4 and ultraso\$4 control\$4 transducer\$1 and vibrat\$4 proces\$4 and internal bleed\$4 signal\$1	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/02/02 14:53
<b>S</b> 37	9	600/437.ccls. and detect\$4 bleed\$4 and ultraso\$4 control\$4 transducer\$1	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/02/02 14:54
<b>S3</b> 8	1226	determin\$4 bleed\$4 rate and ultraso\$4 tissue\$1 vibrat\$4 proces\$4	US-PGPUB; USPAT; USOCR	AND	OFF	2010/02/03 18:12
S39	1	determin\$4 bleed\$4 rate and ultraso\$4 tissue\$1 vibrat\$4 proces\$4	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/02/03 18:12
S40	813	signal\$4 indicat\$4 internal bleed\$4 and determin\$4 bleed\$4 rate and ultraso\$4 tissue\$1 vibrat\$4 proces\$4	US-PGPUB; USPAT; USOCR	AND	OFF	2010/02/03 18:14

S41	786	signal\$4 indicat\$4 internal bleed\$4 and determin\$4 bleed\$4 rate and ultraso\$4 tissue\$1 vibrat\$4 proces\$4 and locat\$4 bleed\$4	US-PGPUB; USPAT; USOCR	AND	OFF	2010/02/03 18:15
S42	520	signal\$4 indicat\$4 internal bleed\$4 and determin\$4 bleed\$4 rate and ultraso\$4 tissue\$1 vibrat\$4 proces\$4 and locat\$4 bleed\$4 and image\$1	US-PGPUB; USPAT; USOCR	AND	OFF	2010/02/03 18:15
S43	443	signal\$4 indicat\$4 internal bleed\$4 and determin\$4 bleed\$4 rate and ultraso\$4 tissue\$1 vibrat\$4 proces\$4 and locat\$4 bleed\$4 and image\$1 and filter\$4	US-PGPUB; USPAT; USOCR	AND	OFF	2010/02/03 18:16
S44	207	signal\$4 indicat\$4 internal bleed\$4 and determin\$4 bleed\$4 rate and ultraso\$4 tissue\$1 vibrat\$4 proces\$4 and locat\$4 bleed\$4 and image\$1 and filter\$4 and audible \$1	US-PGPUB; USPAT; USOCR	AND	OFF	2010/02/03 18:17
S45	2	tissue\$1 vibrat\$4 proces\$4 and internal bleeding\$1	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/02/03 18:20
S46	15	"5840028"	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/02/03 18:26
S47	23	detect\$4 internal bleeding with ultraso\$4	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/02/03 18:34
S48	42	internal bleeding with ultraso\$4	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/02/03 18:37
S49	O	identif\$4 tissue\$1 vibration\$1 caus\$4 by bleeding\$1 with ultraso \$4	US-PGPUB; USPAT; USOOR	WITH	OFF	2010/02/03 18:41
S50	2	identif\$4 tissue\$1 vibration\$1 caus\$4 by bleeding\$1 with ultraso \$4	US-PGPUB; USPAT; USOCR	AND	OFF	2010/02/03 18:42
S51	94	detect\$4 bleeding\$1 with ultraso\$4 tissue\$1 vibrat\$4 proces\$4	US-PGPUB; USPAT; USOCR	AND	OFF	2010/02/03 18:44

S52	14	("4233989"   "4936308"   "4984567").PN. OR ("5840028").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/03 18:46
S53	198	tissue\$1 vibrat\$4 proces\$4	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/02/03 18:48
S54	24	tissue\$1 vibrat\$4 proces\$4 and bleeding	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/02/03 18:48
S55	23	detect\$4 internal bleeding with ultraso\$4	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/02/26 16:02
S56	14	"6706892"	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/02/26 16:07
S57	30	"5,919,139"	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/02/26 16:09
S58	0	detect\$4 bleeding with spect\$4 analys\$4	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/02/26 16:12
S59	50	detect\$4 bleeding with spect\$4 analys\$4	US-PGPUB; USPAT; USOCR	AND	OFF	2010/02/26 16:13
S60	4116	control\$4 transducer\$1 and proces\$4 analy\$4 bleeding	US-PGPUB; USPAT; USOCR	AND	OFF	2010/02/26 16:17
S61	13	control\$4 transducer\$1 and proces\$4 analy\$4 bleeding	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/02/26 16:17
S62	3065	control\$4 transducer\$1 and proces\$4 analy\$4 internal bleeding	US-PGPUB; USPAT; USOCR	AND	OFF	2010/02/26 16:18
S63	2129	control\$4 transducer\$1 and proces\$4 analy\$4 internal bleeding and display\$4 bleeding and rate\$1	US-PGPUB; USPAT; USOCR	AND	OFF	2010/02/26 16:18
S64	520	control\$4 transducer\$1 and proces\$4 analy\$4 internal bleeding and display\$4 bleeding and rate\$1 and vibrat\$5 image\$1	US-PGPUB; USPAT; USOCR	AND	OFF	2010/02/26 16:19
S65	0	control\$4 transducer\$1 and proces\$4 analy\$4 internal bleeding and display\$4 bleeding and rate\$1 and vibrat\$5 image\$1 and comput \$4frequenc\$4	US-PGPUB; USPAT; USOCR	AND	OFF	2010/02/26 16:20

S66	499	control\$4 transducer\$1 and proces\$4 analy\$4 internal bleeding and display\$4 bleeding and rate\$1 and vibrat\$5 image\$1 and comput \$4 frequenc\$4	US-PGPUB; USPAT; USOCR	AND	OFF	2010/02/26 16:20
S67	99	control\$4 transducer\$1 and proces\$4 analy\$4 internal bleeding and display\$4 bleeding and rate\$1 and vibrat\$5 image\$1 and comput \$4 frequenc\$4 and doppler and spectr\$4	US-PGPUB; USPAT; USOCR	AND	OFF	2010/02/26 16:21
S68	542	internal bleeding and ultraso\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	OFF	2010/02/26 16:26
S69	121	internal bleeding and ultraso\$4 and determin \$4 rate\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	OFF	2010/02/26 16:26

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